

Serial No. 10/780,648

Docket # 2331-001

In the CLAIMS

Please replace the claims currently on file with the following claims:

1. (Currently amended) An anti-reversionary device adapted to a conduit having a bore through which gas flow to or from an internal combustion engine, comprising:

an inner pipe positioned substantially concentrically and co-axially within the bore of the conduit; for forming a tubular gas inlet having a diameter smaller than a diameter of the conduit for passage of a central portion of the gas flow therethrough and an annular portion of the gas flow thereabout; and

an annular wall extending to fit between the pipetubular inlet and the conduit, the annular wall having a plurality of ports formed therein-and about the inner pipe, each port forming a passage directed radially inward and downstream and therefrom.

wherein the inner pipe has a tubular gas inlet projecting extends upstream from the annular wall so that

and the annular wall separates the gas flow into a annular gas flow and a central portion of the gas flow, the central gas having a flow being faster than the annular rate slower than the central portion of the gas flow at the tubular gas inlet, and the annular gas flow accelerates, is accelerated through the plurality of passagesports for directed discharge into the central gas flow for combining substantially all of the central and annular portions of substantially the entirety of the gas flow in the conduit downstream from the annular wall.

2. (Original) The anti-reversionary device of claim 1 wherein the conduit is an intake to an internal combustion engine.

Serial No. 10/780,648

Docket # 2331-001

3. (Original) The anti-reversionary device of claim 1 wherein the conduit is an exhaust from an internal combustion engine.

4. (Original) The anti-reversionary device of claim 3 wherein the anti-reversionary device is fit adjacent the engine.

5. (Original) The anti-reversionary device of claim 1 wherein the passages are angled radially inward at between 20 and 30 degrees.

6. (Original) The anti-reversionary device of claim 5 wherein each passage is angled radially inward at about 26 degrees.

7. (Original) The anti-reversionary device of claim 6 wherein the conduit is the exhaust from an internal combustion engine.

8. (Original) The anti-reversionary device of claim 7 wherein the anti-reversionary device is fit adjacent the engine.

9. (Original) The anti-reversionary device of claim 1 wherein the annular wall is a truncated cone which is angled downstream from the inner pipe to the conduit.

10. (Original) The anti-reversionary device of claim 9 further comprising a cylindrical housing adapted to fit to the bore of the conduit wherein the truncated cone extends between the cylindrical housing and inner pipe.

Serial No. 10/780,648

Docket # 2331-001

11. (Original) The anti-reversionary device of claim 10 wherein the housing, annular wall and inner pipe are formed as a unitary body formed of sheet material.

12. (Original) The anti-reversionary device of claim 11 wherein sheet material has a wall thickness which forms the passage through the annular wall.

13. (Original) The anti-reversionary device of claim 10 wherein the passages are angled radially inward at between 20 and 30 degrees.

14. (Original) The anti-reversionary device of claim 13 wherein each passage is angled radially inward at about 26 degrees.

15. (Original) The anti-reversionary device of claim 14 wherein the conduit is an exhaust from an internal combustion engine.

16. (Original) The anti-reversionary device of claim 15 wherein the anti-reversionary device is fit adjacent the engine.

17. (Original) A conduit for directing gas flow to or from an internal combustion engine comprising one or more anti-reversionary device of claim 1.

18. (Original) The conduit of claim 17 wherein the passages of each of the one or more devices are angled radially inward at between 20 and 30 degrees.

Serial No. 10/780,648

Docket # 2331-001

19. (Original) The conduit of claim 18 wherein the annular wall of each of the one or more devices is a truncated cone which is angled downstream from the inner pipe to the conduit.

20. (Currently amended) The conduit of claim 19 wherein the passages of each passage is of one or more devices are angled radially inward at about 26 degrees.